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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	1	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 3,721,813	03-20-1973	Condon et al.	
	A2	US- 4,586,513	05-06-1986	Hamaguri	
	A3	US- 4,603,700	08-05-1986	Nichols et al.	
	A4	US- 4,621,643	11-11-1986	New, Jr. et al.	
	A5	US- 4,653,498	03-31-1987	New, Jr. et al.	
	A6	US- 4,685,464	08-11-1987	Goldberger et al.	
	A7	US- 4,694,833	09-22-1987	Hamaguri	
	A8	US- 4,697,593	10-06-1987	Evans et al.	
	A9	US- 4,700,708	10-20-1987	New, Jr. et al.	
	A10	US- 4,714,080	12-22-1987	Edgar, Jr. et al.	
	A11	US- 4,714,341	12-22-1987	Hamaguri et al.	
	A12	US- 4,759,369	07-26-1988	Taylor	
	A13	US- 4,770,179	09-13-1988	New, Jr. et al.	
	A14	US- 4,773,422	09-27-1988	Isaacson et al.	
	A15	US- 4,776,339	10-11-1988	Schreiber	
	A16	US- 4,781,195	11-01-1988	Martin	
	A17	US- 4,796,636	01-10-1989	Branstetter et al.	
	A18	US- 4,800,495	01-24-1989	Smith	
	A19	US- 4,800,885	01-31-1989	Johnson	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B1	JP 10337282 A	12-22-1998			
	B2	JP2001-245871	03-07-2000	Ododera Kazumasa		
	B3	JP3939782	07-05-1996	Shimadzu		
	B4	JP4038280	11-09-2007	Hamamatsu Photonics Kk		

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	A20	US- 4,802,486	02-07-1989	Goodman et al.	
	A21	US- 4,805,623	02-21-1989	Jöbsis	
	A22	US- 4,807,630	02-28-1989	Malinouskas	
	A23	US- 4,807,631	02-28-1989	Hersh et al.	
	A24	US- 4,819,646	04-11-1989	Cheung et al.	
	A25	US- 4,819,752	04-11-1989	Zelin	
	A26	US- 4,824,242	04-25-1989	Frick et al.	
	A27	US- 4,825,872	05-02-1989	Tan et al.	
	A28	US- 4,825,879	05-02-1989	Tan et al.	
	A29	US- 4,830,014	05-16-1989	Goodman et al.	
	A30	US- 4,832,484	05-23-1989	Aoyagi et al.	
	A31	US- 4,846,183	07-11-1989	Martin	
	A32	US- 4,848,901	07-18-1989	Hood, Jr.	
	A33	US- 4,854,699	08-08-1989	Edgar, Jr.	
	A34	US- 4,859,056	08-22-1989	Prosser et al.	
	A35	US- 4,859,057	08-22-1989	Taylor et al.	
	A36	US- 4,863,265	09-05-1989	Flower et al.	
	A37	US- 4,865,038	09-12-1989	Rich et al.	
	A38	US- 4,867,557	09-19-1989	Takatani et al.	

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	B5	EP0793942	03-04-1997	Biotronik		
	B6	WO 91/11137	08-08-1991	Medical Physics		
	B7	WO 93/13706	07-22-1993	US Government		
	B8	WO 95/16387	06-22-1995	Nellcor Inc.		
	B9					
	B10					
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	B12					

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	A39	US- 4,869,253	09-26-1989	Craig, Jr. et al.	
	A40	US- 4,869,254	09-26-1989	Stone et al.	
	A41	US- 4,880,304	11-14-1989	Jaeb et al.	
	A42	US- 4,883,055	11-28-1989	Merrick	
	A43	US- 4,883,353	11-28-1989	Hansmann et al.	
	A44	US- 4,890,619	01-02-1990	Hatschek	
	A45	US- 4,892,101	01-09-1990	Cheung et al.	
	A46	US- 4,901,238	02-13-1990	Suzuki et al.	
	A47	US- 4,908,762	03-13-1990	Suzuki et al.	
	A48	US- 4,911,167	03-27-1990	Corenman et al.	
	A49	US- 4,913,150	04-03-1990	Cheung et al.	
	A50	US- 4,926,867	05-22-1990	Kanda et al.	
	A51	US- 4,927,264	05-22-1990	Shiga et al.	
	A52	US- 4,928,692	05-29-1990	Goodman et al.	
	A53	US- 4,934,372	06-19-1990	Corenman et al.	
	A54	US- 4,938,218	07-03-1990	Goodman et al.	
	A55	US- 4,948,248	08-14-1990	Lehman	
	A56	US- 4,955,379	09-11-1990	Hall	

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	A57	US- 4,960,126	10-02-1990	Conlon et al.	
	A58	US- 4,964,408	10-23-1990	Hink et al.	
	A59	US- 4,971,062	11-20-1999	Hasebe et al.	
	A60	US- 4,974,591	12-04-1990	Awazu et al.	
	A61	US- 5,007,423	04-16-1991	Branstetter et al.	
	A62	US- 5,025,791	06-25-1991	Niwa	
	A63	US- 5,028,787	07-02-1991	Rosenthal et al.	
	A64	US- 5,040,039	08-20-1991	Schmitt et al.	
	A65	US- 5,054,488	10-08-1991	Muz	
	A66	US- 5,055,671	10-08-1991	Jones	
	A67	US- 5,058,588	10-22-1991	Kaestle	
	A68	US- 5,065,749	11-19-1991	Hasebe et al.	
	A69	US- 5,066,859	11-19-1991	Karkar et al.	
	A70	US- 5,069,213	12-23-1991	Polczynski	
	A71	US- 5,078,136	01-07-1992	Stone et al.	

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	A72	US- 5,084,327	01-28-1992	Stengel	
	A73	US- 5,088,493	02-18-1992	Giannini et al.	
	A74	US- 5,090,410	02-25-1992	Saper et al.	
	A75	US- 5,094,239	03-10-1992	Jaeb et al.	
	A76	US- 5,094,240	03-10-1992	Muz	
	A77	US- 5,099,841	03-31-1992	Heinonen et al.	
	A78	US- 5,099,842	03-31-1992	Mannheimer et al.	
	A79	US- 5,104,623	04-14-1992	Miller	
	A80	US- 5,109,849	05-05-1992	Goodman et al.	
	A81	US- 5,111,817	05-12-1992	Clark et al.	
	A82	US- 5,113,861	05-19-1992	Rother	
	A83	US- 5,125,403	06-30-1992	Culp	
	A84	US- 5,127,406	07-07-1992	Yamaguchi	
	A85	US- 5,131,391	07-21-1992	Sakai et al.	
	A86	US- 5,140,989	08-25-1992	Lewis et al.	
	A87	US- 5,152,296	10-06-1992	Simons	
	A88	US- 5,154,175	10-13-1992	Gunther	
	A89	US- 5,158,082	10-27-1992	Jones	
	A90	US- 5,170,786	12-15-1992	Thomas et al.	

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	A91	US-	5,188,108	02-23-1993	Secker et al.	
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	A98	US-	5,216,598	06-01-1993	Branstetter et al.	
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	A101	US-	5,218,962	06-15-1993	Mannheimer et al.	
	A102	US-	5,224,478	07-06-1993	Sakai et al.	
	A103	US-	5,226,417	07-13-1993	Swedlow et al.	
	A104	US-	5,228,440	07-20-1993	Chung et al.	
	A105	US-	5,237,994	08-24-1993	Goldberger	
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	A107	US-	5,246,002	09-23-1993	Prosser	
	A108	US-	5,246,003	09-23-1993	DeLonzor	
	A109	US-	5,247,931	09-23-1993	Norwood	

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	A110	US-	5,247,932	09-28-1993	Chung et al.	
	A111	US-	5,249,576	10-05-1993	Goldberger et al.	
	A112	US-	5,253,645	10-19-1993	Freidman et al.	
	A113	US-	5,253,646	10-19-1993	Delpy et al.	
	A114	US-	5,259,381	11-09-1993	Cheung et al.	
	A115	US-	5,259,761	11-09-1993	Schnettler et al.	
	A116	US-	5,263,244	11-23-1993	Centa et al.	
	A117	US-	5,267,562	12-07-1993	Ukawa et al.	
	A118	US-	5,267,563	12-07-1993	Swedlow et al.	
	A119	US-	5,273,036	12-28-1993	Kronberg et al.	
	A120	US-	5,275,159	01-04-1994	Griebel	
	A121	US-	5,279,295	01-18-1994	Martens et al.	
	A122	US-	5,285,783	02-15-1994	Secker	
	A123	US-	5,285,784	02-15-1994	Seeker	
	A124	US-	5,287,853	02-22-1994	Vester et al.	
	A125	US-	5,291,884	03-08-1994	Heinemann et al.	
	A126	US-	5,297,548	03-29-1994	Pologe	
	A127	US-	5,299,120	03-29-1994	Kaestle	
	A128	US-	5,299,570	04-05-1994	Hatschek	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B37					
	B38					
	B39					
	B40					
	B41					
	B42					

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				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	8	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS						
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	A129	US-	5,309,908	05-10-1994	Freidman et al.	
	A130	US-	5,311,865	05-17-1994	Mayeux	
	A131	US-	5,313,940	05-24-1994	Fuse et al.	
	A132	US-	5,323,776	06-28-1994	Blakely et al.	
	A133	US-	5,329,922	07-19-1994	Atlee III	
	A134	US-	5,337,744	08-16-1994	Branigan	
	A135	US-	5,339,810	08-23-1994	Ivers et al.	
	A136	US-	5,343,818	09-06-1994	McCarthy et al.	
	A137	US-	5,343,869	09-06-1994	Pross et al.	
	A138	US-	5,348,003	09-20-1994	Caro	
	A139	US-	5,348,004	09-20-1994	Hollub et al.	
	A140	US-	5,348,005	09-20-1994	Merrick et al.	
	A141	US-	5,349,519	09-20-1994	Kaestle	
	A142	US-	5,349,952	09-27-1994	McCarthy et al.	
	A143	US-	5,349,953	09-27-1994	McCarthy et al.	
	A144	US-	5,351,685	10-04-1994	Potratz	
	A145	US-	5,353,799	10-11-1994	Chance	
	A146	US-	5,355,880	10-18-1994	Thomas et al.	
	A147	US-	5,355,882	10-18-1994	Ukawa et al.	
	A148	US-	5,361,758	11-08-1994	Hall et al.	

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	B43					
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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	9	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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	A149	US- 5,365,066	11-15-1994	Krueger, Jr. et al.	
	A150	US- 5,368,025	11-29-1994	Young et al.	
	A151	US- 5,368,026	11-29-1994	Swedlow et al.	
	A152	US- 5,368,224	11-29-1994	Richardson et al.	
	A153	US- 5,372,136	12-13-1994	Steuer et al.	
	A154	US- 5,377,675	01-03-1995	Ruskewicz et al.	
	A155	US- 5,385,143	01-31-1994	Aoyagi	
	A156	US- 5,386,827	02-07-1995	Chance et al.	
	A157	US- 5,387,122	02-07-1995	Goldberger et al.	
	A158	US- 5,390,670	02-21-1995	Centa et al.	
	A159	US- 5,392,777	02-18-1995	Swedlow et al.	
	A160	US- 5,398,680	03-21-1995	Polson et al.	
	A161	US- 5,402,777	04-04-1995	Warring et al.	
	A162	US- 5,411,023	05-02-1995	Morris, Sr., et al.	
	A163	US- 5,411,024	05-02-1995	Thomas et al.	
	A164	US- 5,413,099	05-09-1995	Schmidt et al.	
	A165	US- 5,413,100	05-09-1995	Barthelemy et al.	
	A166	US- 5,413,101	05-09-1995	Sugiura	
	A167	US- 5,413,102	05-09-1995	Schmidt et al.	
	A168	US- 5,417,207	05-23-1995	Young et al.	

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	B49					
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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	10	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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	A169	US-	5,421,329	06-06-1995	Casciani et al.	
	A170	US-	5,425,360	06-20-1995	Nelson	
	A171	US-	5,425,362	06-20-1995	Siker et al.	
	A172	US-	5,427,093	06-17-1995	Ogawa et al.	
	A173	US-	5,429,128	07-04-1995	Cadell et al.	
	A174	US-	5,429,129	07-04-1995	Lovejoy et al.	
	A175	US-	5,431,159	07-11-1995	Baker et al.	
	A176	US-	5,431,170	07-11-1995	Mathews	
	A177	US-	5,437,275	08-01-1995	Amundsen et al.	
	A178	US-	5,438,986	08-08-1995	Disch et al.	
	A179	US-	5,448,991	09-12-1995	Polson et al.	
	A180	US-	5,452,717	09-26-1995	Branigan et al.	
	A181	US-	5,465,714	11-14-1995	Scheuing	
	A182	US-	5,469,845	11-28-1995	DeLonzor et al.	
	A183	US-	5,482,034	01-09-1996	Lewis et al.	
	A184	US-	5,482,036	01-09-1996	Diab et al.	
	A185	US-	5,483,646	01-09-1996	Uchikoga	
	A186	US-	5,485,847	01-23-1996	Baker, Jr.	
	A187	US-	5,490,505	02-13-1996	Diab et al.	

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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	11	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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	A188	US- 5,490,523	02-13-1996	Isaacson et al.	
	A189	US- 5,491,299	02-13-1996	Naylor et al.	
	A190	US- 5,494,032	02-27-1996	Robinson et al.	
	A191	US- 5,497,771	03-12-1996	Rosenheimer	
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	A193	US- 5,505,199	04-09-1996	Kim	
	A194	US- 5,507,286	04-16-1996	Solenberger	
	A195	US- 5,517,988	05-21-1996	Gerhard	
	A196	US- 5,520,177	05-28-1996	Ogawa et al.	
	A197	US- 5,521,851	05-28-1996	Wei et al.	
	A198	US- 5,522,388	06-04-1996	Ishikawa et al.	
	A199	US- 5,524,617	06-11-1996	Mannheimer	
	A200	US- 5,529,064	06-24-1996	Rall et al.	
	A201	US- 5,533,507	07-09-1996	Potratz et al.	
	A202	US- 5,551,423	09-03-1996	Sugiura	
	A203	US- 5,551,424	09-03-1996	Morrison et al.	
	A204	US- 5,553,614	09-10-1996	Chance	
	A205	US- 5,553,615	09-10-1996	Carim et al.	

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	A206	US- 5,555,882	09-17-1996	Richardson et al.	
	A207	US- 5,558,096	09-24-1996	Palatnik	
	A208	US- 5,560,355	10-01-1996	Merchant et al.	
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	A210	US- 5,575,284	11-19-1996	Athan et al.	
	A211	US- 5,575,285	11-19-1996	Takanashi et al.	
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	A216	US- 5,588,427	12-31-1996	Tien	
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	A219	US- 5,596,986	01-28-1997	Goldfarb	
	A220	US- 5,611,337	03-18-1997	Bukta	
	A221	US- 5,617,852	04-08-1997	MacGregor	
	A222	US- 5,429,129	07-04-1995	Lovejoy et al.	
	A223	US- 5,629,992	04-15-1997	Guthrie et al.	
	A224	US- 5,626,140	05-06-1997	Feldman et al.	

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	A225	US-	5,630,413	05-20-1997	Thomas et al.	
	A226	US-	5,632,272	05-27-1997	Diab et al.	
	A227	US-	5,632,273	05-27-1997	Suzuki	
	A228	US-	5,634,459	06-03-1997	Gardosi	
	A229	US-	5,638,593	06-17-1997	Gerhardt et al.	
	A230	US-	5,638,818	06-17-1997	Diab et al.	
	A231	US-	5,645,060	07-0-1997	Yorkey et al.	
	A232	US-	5,645,440	07-08-1997	Tobler et al.	
	A233	US-	5,660,567	08-26-1997	Nierlich et al.	
	A234	US-	5,662,105	09-02-1997	Tien	
	A235	US-	5,662,106	09-02-1997	Swedlow et al.	
	A236	US-	5,666,952	09-16-1997	Fuse et al.	
	A237	US-	5,671,529	09-30-1997	Nelson	
	A238	US-	5,673,692	10-07-1997	Schulze et al.	
	A239	US-	5,673,693	10-07-1997	Solenberger	
	A240	US-	5,676,139	10-14-1997	Goldberger et al.	
	A241	US-	5,676,141	10-14-1997	Hollub	
	A242	US-	5,678,544	10-21-1997	DeLonzor et al.	
	A243	US-	5,680,857	10-28-1997	Pelikan et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B73					
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	B76					
	B77					
	B78					

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				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	14	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS						
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		Number-Kind Code ² (if known)				
	A244	US-	5,685,299	11-11-1997	Diab et al.	
	A245	US-	5,685,301	11-11-1997	Klomhaus	
	A246	US-	5,687,719	11-18-1997	Sato et al.	
	A247	US-	5,687,722	11-18-1997	Tien et al.	
	A248	US-	5,692,503	12-02-1997	Kuenstner	
	A249	US-	5,692,505	12-02-1997	Fouts	
	A250	US-	5,709,205	01-20-1998	Bukta	
	A251	US-	5,713,355	02-03-1998	Richardson et al.	
	A252	US-	5,724,967	03-10-1998	Venkatachalam	
	A253	US-	5,727,547	03-17-1998	Levinson et al.	
	A254	US-	5,731,582	03-24-1998	West	
	A255	US-	5,743,260	04-28-1998	Chung et al.	
	A256	US-	5,743,263	04-28-1998	Baker, Jr.	
	A257	US-	DES 393,830	04-28-1998	Tobler et al.	
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	A259	US-	5,746,697	05-05-1998	Swedlow et al.	
	A260	US-	5,752,914	05-19-1989	DeLonzor et al.	
	A261	US-	5,755,226	05-26-1998	Carim et al.	
	A262	US-	5,758,644	06-02-1998	Diab et al.	

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				Examiner Name	Winakur, Eric Frank
Sheet	15	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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	A263	US- 5,760,910	06-02-1998	Lepper, Jr., et al.	
	A264	US- 5,766,125	06-16-1998	Aoyagi et al.	
	A265	US- 5,766,127	06-16-1998	Pologe et al.	
	A266	US- 5,769,785	06-23-1998	Diab et al.	
	A267	US- 5,772,587	06-30-1998	Gratton et al.	
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	A269	US- 5,776,058	07-07-1998	Levinson et al.	
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	A271	US- 5,779,630	07-14-1998	Fein et al.	
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	A273	US- 5,782,237	07-21-1998	Casciani, et al.	
	A274	US- 5,782,756	07-21-1998	Mannheimer	
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	A277	US- 5,783,821	07-21-1998	Costello, Jr.	
	A278	US- 5,786,592	07-28-1998	Hök	
	A279	US- 5,790,729	08-04-1998	Pologe et al.	
	A280	US- 5,792,052	08-11-1998	Isaacson et al.	
	A281	US- 5,795,292	08-18-1998	Lewis et al.	
	A282	US- 5,797,841	08-25-1998	DeLonzor et al.	

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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	16	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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		Number-Kind Code ² (if known)			
	A283	US- 5,800,348	09-01-1998	Kaestle	
	A284	US- 5,800,349	09-01-1998	Isaacson et al.	
	A285	US- 5,803,910	09-08-1998	Potratz	
	A286	US- 5,807,246	09-15-1998	Sakaguchi et al.	
	A287	US- 5,807,247	09-15-1998	Merchant et al.	
	A288	US- 5,807,248	09-15-1998	Mills	
	A289	US- 5,810,723	09-22-1998	Aldrich	
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	A291	US- 5,813,980	09-29-1998	Levinson et al.	
	A292	US- 5,817,008	10-06-1998	Rafert et al.	
	A293	US- 5,817,009	10-06-1998	Rosenheimer et al.	
	A294	US- 5,817,010	10-06-1998	Hibl	
	A295	US- 5,818,985	10-06-1998	Merchant et al.	
	A296	US- 5,820,550	10-13-1998	Polson et al.	
	A297	US- 5,823,950	10-20-1998	Diab et al.	
	A298	US- 5,823,952	10-20-1998	Levinson et al.	
	A299	US- 5,827,182	10-27-1998	Raley et al.	
	A300	US- 5,830,135	11-03-1998	Bosque et al.	
	A301	US- 5,830,136	11-03-1998	DeLonzor et al.	

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	B91					
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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	17	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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		Number-Kind Code ² (if known)			
	A302	US- 5,830,137	11-03-1998	Scharf	
	A303	US- 5,839,439	11-24-1998	Nierlich et al.	
	A304	US- 5,842,979	12-01-1998	Jarman et al.	
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	A307	US- 5,846,190	12-08-1998	Woehrle	
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	A309	US- 5,851,179	12-22-1998	Ritson et al.	
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	A313	US- 5,871,442	02-16-1999	Madarasz et al.	
	A314	US- 5,879,294	03-09-1999	Anderson et al.	
	A315	US- 5,885,213	03-23-1999	Richardson et al.	
	A316	US- 5,890,929	04-06-1999	Mills et al.	
	A317	US- 5,891,021	04-06-1999	Dillon et al.	
	A318	US- 5,891,022	04-06-1999	Pologe	
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	A320	US- 5,891,025	04-06-1999	Buschmann et al.	

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	B98					
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	B101					

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	A321	US- 5,891,026	04-06-1999	Wang et al.	
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	A325	US- 5,912,656	06-15-1999	Tham et al.	
	A326	US- 5,913,819	06-22-1999	Taylor et al.	
	A327	US- 5,916,154	06-29-1999	Hobbs et al.	
	A328	US- 5,916,155	06-29-1999	Levinson et al.	
	A329	US- 5,919,133	07-06-1999	Taylor et al.	
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	A336	US- 5,924,982	07-20-1999	Chin	
	A337	US- 5,924,985	07-20-1999	Jones	
	A338	US- 5,934,277	08-10-1999	Mortz	
	A339	US- 5,934,925	08-10-1999	Tobler et al.	

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	A340	US- 5,940,182	08-17-1999	Lepper, Jr., et al.	
	A341	US- 5,954,644	09-21-1999	Dettling et al.	
	A342	US- 5,960,610	10-05-1999	Levinson et al.	
	A343	US- 5,961,450	10-05-1999	Merchant et al.	
	A344	US- 5,961,452	10-05-1999	Chung et al.	
	A345	US- 5,964,701	10-12-1999	Asada et al.	
	A346	US- 5,971,930	10-26-1999	Elghazzawi	
	A347	US- 5,978,691	11-02-1999	Mills	
	A348	US- 5,978,693	11-02-1999	Hamilton et al.	
	A349	US- 5,983,122	11-09-1999	Jarman et al.	
	A350	US- 5,991,648	11-23-1999	Levin	
	A351	US- 5,995,855	11-30-1999	Kiani et al.	
	A352	US- 5,995,856	11-30-1999	Mannheimer et al.	
	A353	US- 5,995,858	11-30-1999	Kinast	
	A354	US- 5,995,859	11-30-1999	Takahashi	
	A355	US- 5,997,343	12-07-1999	Mills et al.	
	A356	US- 5,999,834	12-07-1999	Wang et al.	
	A357	US- 6,002,952	12-14-1999	Diab et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B108					
	B109					
	B110					
	B111					
	B112					

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	20	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A358	US- 6,005,658	12-21-1999	Kaluza et al.	
	A359	US- 6,006,120	12-21-1999	Levin	
	A360	US- 6,011,985	01-04-2000	Athan et al.	
	A360	US- 6,011,986	01-04-2000	Diab et al.	
	A361	US- 6,014,576	01-11-2000	Raley et al.	
	A362	US- 6,018,673	01-25-2000	Chin et al.	
	A363	US- 6,018,674	01-25-2000	Aronow	
	A364	US- 6,022,321	02-08-2000	Amano et al.	
	A365	US- 6,023,541	02-08-2000	Merchant et al.	
	A366	US- 6,026,312	02-15-2000	Shemwell et al.	
	A367	US- 6,026,314	02-15-2000	Amerov et al.	
	A368	US- 6,031,603	02-29-2000	Fine et al.	
	A369	US- 6,035,223	03-07-2000	Baker, Jr.	
	A370	US- 6,036,642	03-14-2000	Diab et al.	
	A371	US- 6,041,247	03-21-2000	Weckstrom et al.	
	A372	US- 6,044,283	03-28-2000	Fein et al.	
	A373	US- 6,047,201	04-04-2000	Jackson III	
	A374	US- 6,061,584	05-09-2000	Lovejoy et al.	
	A375	US- 6,064,898	05-16-2000	Aldrich	

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	B113					
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	B117					
	B118					

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				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	21	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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		Number-Kind Code ² (if known)			
	A376	US- 6,064,899	05-16-2000	Fein et al.	
	A377	US- 6,067,462	05-23-2000	Diab et al.	
	A378	US- 6,073,038	06-06-2000	Wang et al.	
	A379	US- 6,078,833	06-20-2000	Hueber	
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	A381	US- 6,081,742	06-27-2000	Amano et al.	
	A382	US- 6,083,157	07-04-2000	Noller	
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	A384	US- 6,088,607	07-11-2000	Diab et al.	
	A385	US- 6,094,592	07-25-2000	Yorkey et al.	
	A386	US- 6,095,974	08-01-2000	Shemwell et al.	
	A387	US- 6,112,107	08-29-2000	Hannula	
	A388	US- 6,113,541	09-05-2000	Dias et al.	
	A389	US- 6,115,621	09-05-2000	Chin	
	A390	US- 6,122,535	09-19-2000	Kaestle et al.	
	A391	US- 6,133,994	10-17-2000	Mathews et al.	
	A392	US- 6,135,952	10-24-2000	Coetzee	
	A393	US- 6,144,444	11-07-2000	Haworth et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B119					
	B120					
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	B122					
	B123					
	B124					

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				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	22	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A394	US- 6,144,867	11-07-2000	Walker et al.	
	A395	US- 6,144,868	11-07-2000	Parker	
	A396	US- 6,149,481	11-21-2000	Wang et al.	
	A397	US- 6,151,107	11-21-2000	Schöllerman et al.	
	A398	US- 6,151,518	11-21-2000	Hayashi	
	A399	US- 6,152,754	11-28-2000	Gerhardt et al.	
	A400	US- 6,154,667	11-28-2000	Miura et al.	
	A401	US- 6,147,850	12-05-2000	Diab et al.	
	A402	US- 6,150,951	11-27-2000	Olejniczak	
	A403	US- 6,163,175	12-19-2000	Larsen et al.	
	A404	US- 6,163,715	12-19-2000	Larsen et al.	
	A405	US- 6,165,005	12-26-2000	Mills et al.	
	A406	US- 6,173,196	01-09-2001	Delonzor et al.	
	A407	US- 6,178,343	01-23-2001	Bindzus et al.	
	A408	US- 6,181,958	01-30-2001	Steuer et al.	
	A409	US- 6,181,959	01-30-2001	Schöllerman et al.	
	A410	US- 6,184,521	02-06-2001	Coffin IV, et al.	
	A411	US- 6,188,470	02-13-2001	Grace	
	A412	US- 6,192,260	02-20-2001	Chance	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B125					
	B126					
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	B128					
	B129					
	B130					

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				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	23	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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		Number-Kind Code ² (if known)			
	A413	US- 6,195,575	02-27-2001	Levinson	
	A414	US- 6,198,951	03-06-2001	Kosuda et al.	
	A415	US- 6,206,830	03-27-2001	Diab et al.	
	A416	US- 6,213,952	04-10-2001	Finarov et al.	
	A417	US- 6,217,523	04-17-2001	Amano et al.	
	A418	US- 6,222,189	04-24-2001	Misner et al.	
	A419	US- 6,226,539	05-01-2001	Potratz	
	A420	US- 6,226,540	05-01-2001	Bernreuter	
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	A423	US- 6,233,470	05-15-2001	Tsuchiya	
	A424	US- 6,236,871	05-22-2001	Tsuchiya	
	A425	US- 6,236,872	05-22-2001	Diab et al.	
	A426	US- 6,240,305	05-29-2001	Tsuchiya	
	A427	US- 6,253,097	06-26-2001	Aronow et al.	
	A428	US- 6,253,098	06-26-2001	Walker et al.	
	A429	US- 6,256,523	07-03-2001	Diab et al.	
	A430	US- 6,256,524	07-03-2001	Walker et al.	
	A431	US- 6,263,221	07-17-2001	Chance et al.	

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	B131					
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	B135					
	B136					

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				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	24	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
	A432	US- 6,263,222	07-17-2001	Diab et al.	
	A433	US- 6,263,223	07-17-2001	Sheperd et al.	
	A434	US- 6,261,236	07-17-2001	Grimblatov	
	A435	US- 6,266,546	07-24-2001	Steuer et al.	
	A436	US- 6,266,547	07-24-2001	Walker et al.	
	A437	US- 6,272,363	08-07-2001	Casciani et al.	
	A438	US- 6,278,522	08-21-2001	Lepper, Jr., et al.	
	A439	US- 6,280,213	08-28-2001	Tobler et al.	
	A440	US- 6,280,381	08-28-2001	Malin et al.	
	A441	US- 6,285,894	09-04-2001	Oppelt et al.	
	A442	US- 6,285,895	09-04-2001	Ristolainen et al.	
	A443	US- 6,285,896	09-04-2001	Tobler et al.	
	A444	US- 6,298,252	10-02-2001	Kovach et al.	
	A445	US- 6,308,089	10-23-2001	Von der Ruhr et al.	
	A446	US- 6,321,100	11-20-2001	Parker	
	A447	US- 6,330,468	12-11-2001	Scharf	
	A448	US- 6,334,065	12-25-2001	Al-Ali et al.	
	A449	US- 6,339,715	01-15-2002	Bahr et al.	
	A450	US- 6,343,223	01-29-2002	Chin et al.	

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	B137					
	B138					
	B139					
	B140					
	B141					
	B142					

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		Number-Kind Code ² (if known)			
	A451	US- 6,343,224	01-29-2002	Parker	
	A452	US- 6,349,228	02-19-2002	Kiani et al.	
	A453	US- 6,351,658	02-26-2002	Middleman et al.	
	A454	US- 6,353,750	03-05-2002	Kimura et al.	
	A455	US- 6,356,774	03-12-2002	Bernstein et al.	
	A456	US- 6,360,113	03-19-2002	Dettling	
	A457	US- 6,360,114	03-19-2002	Diab et al.	
	A458	US- 6,361,501	03-26-2002	Amano et al.	
	A459	US- 6,363,269	03-26-2002	Hanna et al.	
	A460	US- 6,370,408	04-09-2002	Merchant et al.	
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	A464	US- 6,381,479	04-30-2002	Norris	
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	A466	US- 6,385,471	05-07-2002	Mortz	
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	A468	US- 6,388,240	05-14-2002	Schulz et al.	
	A469	US- 6,393,310	05-21-2002	Kuenster	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B143					
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	B145					
	B146					
	B147					
	B148					

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				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	26	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
	A470	US- 6,397,091	05-28-2002	Diab et al.	
	A471	US- 6,397,092	05-28-2002	Norris et al.	
	A472	US- 6,397,093	05-28-2002	Aldrich	
	A473	US- 6,400,971	06-04-2002	Finarov et al.	
	A474	US- 6,400,972	06-04-2002	Fine	
	A475	US- 6,402,690	06-11-2002	Rhee et al.	
	A476	US- 6,408,198	06-18-2002	Hanna et al.	
	A477	US- 6,411,832	06-25-2002	Guthermann	
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	A479	US- 6,419,671	07-16-2002	Lemberg	
	A480	US- 6,421,549	07-16-2002	Jacques	
	A481	US- 6,430,423	08-06-2002	DeLonzor et al.	
	A482	US- 6,430,513	08-06-2002	Wang et al.	
	A483	US- 6,438,399	08-20-2002	Kurth	
	A484	US- 6,453,183	09-17-2002	Walker	
	A485	US- 6,463,310	10-08-2002	Swedlow et al.	
	A486	US- 6,463,311	10-08-2002	Diab	
	A487	US- 6,466,808	10-15-2002	Chin et al.	
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				Examiner Name	Winakur, Eric Frank
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	A489	US- 6,496,711	12-17-2002	Athan et al.	
	A490	US- 6,498,942	12-24-2002	Esenaliev et al.	
	A491	US- 6,501,975	12-31-2002	Diab et al.	
	A492	US- 6,512,937	01-28-2003	Blank et al.	
	A493	US- 6,515,273	02-04-2003	Al-Ali	
	A494	US- 6,519,486	02-11-2003	Edgar, Jr., et al.	
	A495	US- 6,519,487	02-11-2003	Parker	
	A496	US- 6,525,386	02-25-2003	Mills et al.	
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	A498	US- 6,526,301	02-25-2003	Larsen et al.	
	A499	US- 6,564,088	03-13-2003	Soller et al.	
	A500	US- 6,541,756	04-01-2003	Schulz et al.	
	A501	US- 6,542,764	04-01-2003	Al-Ali et al.	
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	A503	US- 6,553,242	04-22-2003	Sarussi	
	A504	US- 6,553,243	04-22-2003	Gurley	
	A505	US- 6,574,491	06-03-2003	Elghazzawi	
	A506	US- 6,580,086	06-17-2003	Schulz et al.	
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	A508	US- 6,587,704	07-01-2003	Fine et al.	

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				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
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		Number-Kind Code ² (if known)			
	A509	US- 6,594,511	07-15-2003	Stone et al.	
	A510	US- 6,594,513	07-15-2003	Jobsis et al.	
	A511	US- 6,597,933	07-22-2003	Kiani et al.	
	A512	US- 6,606,511	08-12-2003	Ali et al.	
	A513	US- 6,615,064	09-02-2003	Aldrich	
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	A515	US- 6,622,034	09-16-2003	Gorski et al.	
	A516	US- 6,643,530	11-04-2003	Diab et al.	
	A517	US- 6,647,280	11-11-2003	Bahr et al.	
	A518	US- 6,650,917	11-18-2003	Diab et al.	
	A519	US- 6,654,622	11-25-2003	Eberhard et al.	
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	A521	US- 6,658,276	12-02-2003	Kianl et al.	
	A522	US- 6,662,033	12-09-2003	Casciani et al.	
	A523	US- 6,671,526	12-30-2003	Aoyagi et al.	
	A524	US- 6,671,528	12-30-2003	Steuer et al.	
	A525	US- 6,671,530	12-30-2003	Chung et al.	
	A526	US- 6,671,531	12-30-2003	Al-Ali et al.	
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	B161					
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		Number-Kind Code ² (if known)			
	A528	US- 6,678,543	01-13-2004	Diab et al.	
	A529	US- 6,681,126	01-20-2004	Solenberger	
	A530	US- 6,681,128	01-20-2004	Steuer et al.	
	A531	US- 6,681,454	01-27-2004	Modgil et al.	
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	A533	US- 6,684,091	01-27-2004	Parker	
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	A535	US- 6,699,194	03-02-2004	Diab et al.	
	A536	US- 6,708,049	03-16-2004	Berson et al.	
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	A538	US- 6,714,804	03-30-2004	Al-Ali et al.	
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	A541	US- 6,725,075	04-20-2004	Al-Ali	
	A542	US- 6,735,459	05-11-2004	Parker	
	A543	US- 6,745,060	06-01-2004	Diab et al.	
	A544	US- 6,748,253	06-08-2004	Norris et al.	
	A545	US- 6,760,609	07-06-2004	Jacques	
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	B167					
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		Number-Kind Code ² (if known)			
	A547	US- 6,770,028	08-03-2004	Ali et al.	
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	A551	US- 6,810,277	10-26-2004	Edgar Jr., et al.	
	A552	US- 6,813,511	11-02-2004	Diab et al.	
	A553	US- 6,816,741	11-09-2004	Diab	
	A554	US- 6,826,419	11-30-2004	Diab et al.	
	A555	US- 6,830,711	12-14-2004	Mills et al.	
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	A558	US- 6,852,083	02-08-2005	Caro et al.	
	A559	US- 6,861,639	03-01-2005	Al-Ali	
	A560	US- 6,898,452	05-24-2005	Al-Ali et al.	
	A561	US- 6,916,289	07-12-2005	Schnall	
	A562	US- 6,939,307	09-06-2005	Dunlop	
	A563	US- 6,950,687	09-27-2005	Al-Ali	
	A564	US- 6,971,580	12-06-2005	DeLonzor et al.	
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	A570	US- 7,062,307	06-13-2006	Norris et al.	
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	A572	US- 7,035,697	04-25-2006	Brown	
	A573	US- 7,039,449	05-02-2006	Al-Ali	
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	A575	US- 7,047,055	05-16-2006	Boaz et al.	
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	A579	US- 7,130,671	10-31-2006	Baker, Jr. et al.	
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	A586	US- 7,428,432	09-23-2008	Ali et al.	
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	B180					
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Examiner Signature		Date Considered	
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				Application Number	10/798,596
				Filing Date	March 10, 2004
				First Named Inventor	Paul D. Mannheimer
				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	32	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	A589	US-	2002/0026109	02-28-2002	Diab et al.	
	A590	US-	2002/0028990	03-07-2002	Sheperd et al.	
	A591	US-	2002/0103423	08-01-2002	Chin et al.	
	A591	US-	2002/0128544	09-12-2002	Diab et al.	
	A592	US-	2003/0018243	01-23-2003	Gerhardt et al.	
	A593	US-	2003/0045785	03-06-2003	Diab et al.	
	A594	US-	2003/0132495	07-17-2003	Mills et al.	
	A595	US-	2003/0135099	07-17-2003	Al-Ali	
	A596	US-	2003/0162414	08-28-2003	Schulz et al.	
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	A606	US-	2004/0147824	07-29-2004	Diab et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B185					
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				Art Unit	3768
				Examiner Name	Winakur, Eric Frank
Sheet	33	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

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		Number-Kind Code ² (if known)			
	A608	US- 2004/0158134	08-12-2004	Diab et al.	
	A609	US- 2004/0158135	08-12-2004	Baker, Jr. et al.	
	A610	US- 2004/0162472	08-19-2004	Berson et al.	
	A611	US- 2004/0176671	09-09-2004	Fine et al.	
	A612	US- 2004/0181134	09-16-2004	Baker, Jr. et al.	
	A613	US- 2004/0204636	10-14-2004	Diab et al.	
	A614	US- 2004/0204637	10-14-2004	Diab et al.	
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	A616	US- 2004/0204639	10-14-2004	Casciani et al.	
	A617	US- 2004/0210146	10-21-2004	Diab et al.	
	A618	US- 2004/0236196	11-25-2004	Diab et al.	
	A619	US- 2005/0020894	01-27-2005	Norris et al.	
	A620	US- 2005/0033128	02-10-2005	Ali et al.	
	A621	US- 2005/0033129	02-10-2005	Edgar, Jr. et al.	
	A622	US- 2005/0043600	02-24-2005	Diab et al.	
	A623	US- 2005/0065417	03-24-2005	Ali et al.	
	A624	US- 2005/0283059	12-22-2005	Iyer et al.	
	A625	US- 2006/0030764	02-09-2006	Porges et al.	
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	A631	US 2008/0039701	02-17-2008	Ali et al.	
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				Art Unit		3768	
				Examiner Name		Winakur, Eric Frank	
				Sheet	34	of	35

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	B199					
	B200					
	B201					
	B202					

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				Examiner Name	Winakur, Eric Frank
Sheet	35	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	SUCH, HANS OLAF; "Optoelectronic Non-invasive Vascular Diagnostics Using multiple Wavelength and Imaging Approach," <i>Dissertation</i> , (1998)	
	C2		
	C3		
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	C5		
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